REFERENCES:

1. Robbins SRJ. Gum arabic. In A review of recent trends in selected markets for water-soluble gums. ODNRI Bulletin, 1988, 108: 18-33.
2. Durso DF. Handbook of Water Soluble Gums and Resins. New York, NY: McGraw Hill, Kingsport Press; 1980:12.
3. Desai S, Malke S. Use of natural release retardant in drug delivery system. Indian Drugs, 2005, 42: 565-575.
4. Nakano M, Nakamura Y, Juni K. Sustained release of sulfamethizole from agar beads after oral administration to humans. Chem Pharm Bull, 1980, 28: 2905-2908.
5. Bhardwaj TR, Kanwar M, Lal R. Natural gums and modified natural gums as sustained release carriers. Drug Dev Ind Pharm, 2000, 26: 1025-1038.
6. Qadry JS. Shah and Qadry's Pharmacognosy. Ahmedabad, India: B S Shah Prakashan; 2008.
7. Evans WC. Trease and Evans – Pharmacognosy. New York: WB Saunders; 2004.
8. Chang RK, Shukla AJ. Polymethacrylates. In: Raymond CR, Paul JS, Paul JW, ed. Handbook of Pharmaceutical Excipients. The Pharmaceutical Press and the American Pharmaceutical Association; 2003: 462-468.
9. Hizawa K, Otsuka H, Inaba H. Subcutaneous pseudosarcomatous PVP granuloma. Am J Surg Path, 1984, 8: 393-398.
10. Kolen JJ, McGinity JW, Wilber WR. Carbomer– 934P. In: Raymond CR, Paul JS, Paul JW, ed. Handbook of Pharmaceutical Excipients. The Pharmaceutical Press and the American Pharmaceutical Association; 2003: 89-92.

11. Weller PJ, Owen SC. Polyvinylalcohol. In: Raymond CR, Paul JS, Paul JW, ed. Handbook of Pharmaceutical Excipients. The Pharmaceutical Press and The American Pharmaceutical Association; 2003: 491-492.
12. Khaled Al-T, Jagdish S. Recent patents on drug delivery and formulation. 2007, 1: 65-71.
13. Banker GS, Anderson NR. Tablets. In: Lachman L, Lieberman HA, Kanig JL. (Ed.), The theory and practice of industrial pharmacy. 3rd Ed., Mumbai: Varghese Publishing House; 1987.336.
14. Gurpreet A, Karan M, Inderbir S, Sandeep A. Formulation and Evaluation of Controlled Release Mucoadhesive Matrix Tablets: Assessment of Myrrh Oleo Gum Resin as a Natural Pharmaceutical Excipient, International Journal of Pharmaceutical Sciences and Drug Research, 2011, 3(2); 84-88.
15. Amir S, Parvez S, Yogesh P, Subhash K, Ramesh K. Effect of gums and excipients on drug release of ambroxol HCl sustained release matrices, Journal of Current Pharmaceutical Research, 2011, 6 (1);11-15.
16. Ravi K, Sachin RP, Patil MB, Mahalaxmi R. Evaluation of disintegrating properties of *Mangifera indica* gum, RJPS, 2011, 1(1); 11-21.
17. Ravi K, Swati P, Patil M B, Sachin RP and Mahesh SP. Isolation and evaluation of disintegrant properties of Fenugreek seed mucilage, International Journal of PharmTech Research, 2009,1(4); 982-996.
18. Ravi K, Patil M B, Sachin RP and Mahesh SP. Isolation and Evaluation of Disintegrating Properties of *Salicornia fruticosa* (L.) Mucilage, International Journal of PharmTech Research, 2009, 1(3); 537-543.

19. RaviK, Shirwaikar AA, Shirwaikar A, Lakshmana PS, Mahalaxmi R, Rajendran K and Dinesh KC. Studies of Disintegrant Properties of Seed Mucilage of *Ocimum gratissimum.* Indian J. Pharm. Sci. 2007, 69(6); 753-758.
20. Ravi K, Swati P, Patil M B, Sachin RP and Mahesh SP. Isolation and Evaluation of *Anacardium occidentale* Gum as a Binding Agent in Tablet Formulations, Research J. Pharma. Dosage Forms and Tech, 2009,1(2*)*; 150-157.
21. Ravi K, Patil M B, Sachin RP and Mahesh SP. Evaluation of *Anacardium occidentale* gum as gelling agent in Aceclofenac Gel, International Journal of PharmTech Research, 2009,1(3*)*; 695-704.
22. Ravi K, Patil M B, Sachin RP and Mahesh SP. Evaluation of *Abelmoschu*s *Esculentus* Mucilage as Suspending Agent in Paracetamol Suspension, International Journal of PharmTech Research, 2009, 1(3*)*; 658-665.
23. Ravi K, Patil M B, Sachin RP and Mahesh SP, Mahalaxmi R. Isolation and evaluation of the emulsifying properties of tamarind seed polysaccharide on castor oil emulsion, Der Pharmacia Lettre, 2010, 2(1); 518-527.
24. Lakshmana P S, Shirwaikar AA, ShirwaikarA, Ravi K, Kumar GA and Jacob S. Formulation and evaluation of oral sustained release of Diltiazem Hydrochloride using rosin as matrix forming material. ARS Pharmaceutica, 2009, 50(1); 32-42.
25. Lakshmana P S, Shirwaikar AA, ShirwaikarA, Ravi K. Formulation and evaluation of sustained release microspheres of rosin containing Aceclofenac. ARS Pharmaceutica, 2009, 50 (2); 1-12.
26. Tushar D, Pooja P, Vinod T, Bharat T and Vijay P. Evaluation of Binding Properties of *Butea monosperma* Lam. Gum in Tablet Formulation, International Journal of Drug Discovery and Herbal Research, 2011, 1(3);128-133.

27. Mann AS, Jain NK and Kharya MD. Evaluation of the Suspending Properties of *Cassia tora* Mucilage on Sulphadimidine Suspension, Asian J Exp Sci, 2007, 21(1); 63-67.

28. Tavakoli N, Ghassemi DN, Teimouri R, Hamishehkar H. Characterization and Evaluation of Okra Gum as a Tablet Binder, Jundishapur Journal of Natural Pharmaceutical Products, 2008, 3(1); 33-38.

29. Sourabh J, Yadav SK and UK P. Preparation and Evaluation of Sustained Release Matrix Tablet of Furosemide using Natural Polymers, Research J Pharm. and Tech, 2008, 1(4); 374-376.

30. Nisarg CP, Vaishali N S, Ashok N M and Dushyant A S. Isolation of Mucilage from *Cydonia vulgaris* Pers. Seeds and its Evaluation as Superdisintegrant, Journal of Applied Pharmaceutical Science, 2011, 01 (04); 110-114.

31. Chandra S. Jaganathan Senthil selvi YK, Perumal RP and Vani T. Formulation and Invitro Evaluation of Didanosine Sustained Release Matrix Tablets using Natural Gums, International Journal of Research in Pharmaceutical and Biomedical Sciences, 2011, 2(1);245-251.

32. Sathyaraj A and Abhinav K. formulation and evaluation of metoprolol succinate controlled release tablets using natural and synthetic polymer, IJPSR, 2011, 3(1); 247-256.

33. Rishabha M, Pranati S, Vipin B, Pramod KS. Formulation, Evaluation and Comparison of Sustained Release Matrix Tablets of Diclofenac Sodium Using Natural Polymers as Release Modifier, International Journal of Pharma and Bio Sciences,2010, 1(2);1-8.

34. Sajid Ali MD, Swati S, Awdhesh K, Sant S, MD Tahir Ansari MD, Gurudutta P. (2010), Preparation And *Invitro* Evaluation of Sustained Release Matrix

Tablets of Phenytoin Sodium Using Natural Polymers, International Journal of Pharmacy and Pharmaceutical Sciences, 2010, 2(3), 175-178.

35. Jaganath S, S Palanichamy S, Seyed Mohamed BH, Rajesh M, Prabhu C and Thanga AT. Preparation and Evaluation of Silymarin Controlled Release Tablets Prepared Using Natural Gums, International Journal of Pharmaceutical Sciences and Nanotechnology, 2011, 4(1), 1368-1372.
36. Indira Y M, Padma SK. Formulation And Evaluation of Gum Olibanum based Sustained Release Matrix Tablets of Ambroxol Hydrochloride, International Journal of Pharmacy and Pharmaceutical Sciences, 2011, 3(2), 195-199.
37. Gangurde AB and Boraste SS. Preliminary Evaluation of *Bauhinia racemosa* Seed Mucilage as Tablet Binder, Int J Pharm, 2012, 2(1); 80-83.
38. Bangale GS, Stephen RB, Shinde GV, Umalkar DG and Rajesh KS. Formulation and Evaluation of Natural Gum Based Matrix Tablets for Oral Controlled Delivery of Nimodipine, Ind J Pharm Edu Res, 2011, 45 (4); 375-383.
39. Sreenivasa RN, Mahendra KC, Rohith G, Chandrashekhar MS, Sindhu A. Development of floating matrix tablets: an approach using natural gums, IJPWR, 2010, 1(3); 1-18.
40. EdukondaluV, AshokI, Jagadeesh K, Pushpalatha V, Satyanadam S and Lakshmi NV. Formulation and evaluation of oral floating tablets of Atenolol using Okra gum, Der Pharmacia Lettre, 2011, 3(3); 342-349.
41. Apparao P, Jyothi A, Veerareddy S, Prabhakar reddy N, Jukanti R and Burra S. Formulation and evaluation of gum based matrix tablets of Lamivudine, Der Pharmacia Sinica, 2011, 2 (3);176-192.
42. Mahmud HS, Oyi AR, Allagh TS and M.S. Gwarzo MS. Evaluation of the Suspending Property of *Khaya snegalensis* Gum in Co-Trimoxazole

Suspensions, Research Journal of Applied Sciences, Engineering and Technology, 2009, 2(1); 50-55.

43. Singh S, Singh S, Bothara SB, Patel R. Extraction and evaluation of oral mucoadhesive polymer from the seeds of *Caesalpinia pulchirrima* and *Leucaena leucocephala.* The Pharma Research, 2010, 4; 91-104.
44. Viral S, Rucha P. Studies on Mucilage from *Hibuscus rosasinensis Linn* As Oral Disintegrant, International Journal of Applied Pharmaceutics, 2010, 2(1); 18-21.
45. Patil DN, Kulkarni AR, Hatapakki BC and Patil BS. Preparation and Evaluation of *Aegle marmelos* Gum as Tablet Binder, International Journal of Pharma and Bio Sciences, 2010, 1(1); 1-5.
46. Rohini S K, Neha SV, Sachin MM. formulation of mucoadhesive tablet by using *Aegle marmelos* Gum, International Journal of Applied Biology and Pharmaceutical Technology, 2011, 2(1), 154-161.
47. Anoop KS, Panner SR, Sivakumar T. Isolation, characterisation and formulation properties of a new plant gum obtained from *mangifera indica*, Int J Pharm Biomed Res, 2010,1(2); 35-41.
48. Bhabani Shankar N, Udaya KN, Patro KB and Prasant KR. Research J. Pharm. and Tech., 2008, 1(4); 433-437.
49. Gayatri C P, Madhabhai MP. Preliminary Evaluation of Sesbania Seed Gum Mucilage as Gelling Agent, International Journal of PharmTech Research, 2009, 1(3), 840-843.
50. Jeevanandham S, Dhachinamoorthi D, Senthil V, Chandra Sekhar KB. Fabrication and evaluation of oral tablets using natural mucoadhesive agent from seeds of *Caesalpinia pulcherrima* (L.) IJRAP, 2010. 4(2); 135-140.

51. Martins E, Phyllis N, Christiana I, Joseph F, James W M, Stephen B, Olobayo K, Sabinus O. Isolation, characterization and formulation properties of a new plant gum obtained from *Cissus refescence,* International Journal of Green Pharmacy, 2009, 3(1);16-23.

52. Shivalingam MR, Arul KSG, Kishore RY, Jeslin D, Tejaswini M, Madhusudhana RC, Chaitanya BS. Drug Invention Today, 2010, 2(1);69-71.

53. Senthil SR, Gopalakrishanan S, Ramajayam M, Rahul S. evaluation of mucilage of *Prosopis juliflora* as tablet binder, International Journal of Pharmacy and Pharmaceutical -Sciences, 2010, 2(3); 156-160.